

**ABSTRACT**

The present invention relates to hormone coating layers having desirable hormone delivery characteristics and product lifetime. In one embodiment, the invention is a hormone composition including a substrate having an external surface, and a coating layer disposed on the external surface. The coating layer preferably includes a polymer web, a UV protectant material, and from about 1 wppm to about 100,000 wppm of a hormone dispersed throughout the polymer web. The invention also relates to methods for making hormone coating materials of the present invention. The coating compositions of the present invention preferably are implemented in human and animal food packaging materials in order to safely and efficiently protect the foodstuffs contained therein from insect infestation.